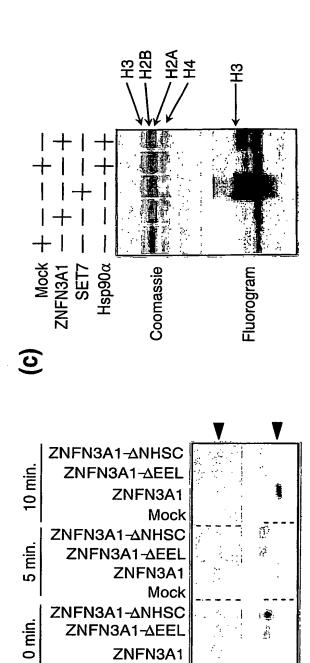


Fig. 1 --HLLLRQVRDI EVGEELTI CYLDMLMISEERRKQLRDGY GFECDC--FRCOTQ 269 HEVNHSCOPNLQVYNVFI DNLDERLPRI AFFATRTI RACEELTFDYNMONDP-(20) ---PKKRVRI ECKOGTESCRKYRLI NHSKOCNCOTKLHDI DG------VPHLI LI ASRDI AACEELLYDYGDRSKASI EAHPMLKHLDGSGTDYKDDDDK* NHSCEPNCYSRVIN I DG-----CKHI VI FAMRKI YRGEELTYDYKFPI ED-----ASNKLPCNGAKKÖRKF RFI NHSCTPNCEASPI EVNG----I FKI SI YAI RDI KAGEELTYDYGPSLEDNRE--LKKLLEKRWGCACCEDROSHT Cys Rich Region GEEL XXX Y SLLNHSCDPNCSI VFNQP--NHSC XX N Æ 202 consensus

ZNFN3A1

SUN39H1 SET7/9



ZNFN3A1

Mock

Coomassie

Fluorogram

UV-radiation <u>e</u>

ast

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<u>a</u>

Fig. 2

IB: anti-Flag M2
IB: anti-monomethylated H3-K4
IB: anti-trimethylated H3-K4
IB: anti-Histone H3

b

Peptide competitor:

None

Di-methyl Di-methyl K9 K4

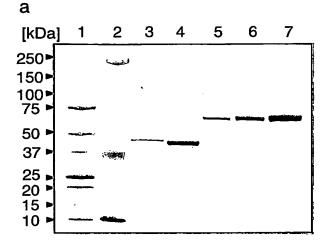
IB: anti-di-methylated H3-K4

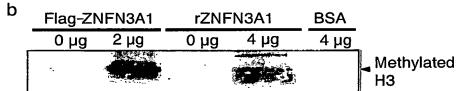
IB: anti-Histone H3

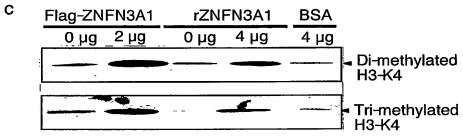
IB: anti-Flag M2
IB: anti-Histone H3

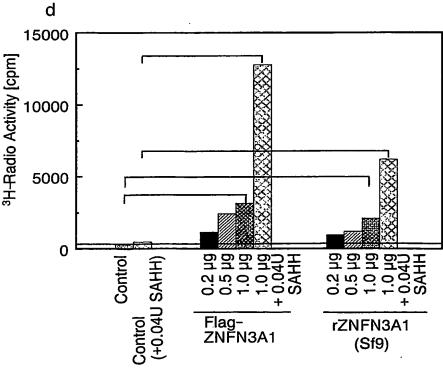


Fig. 3





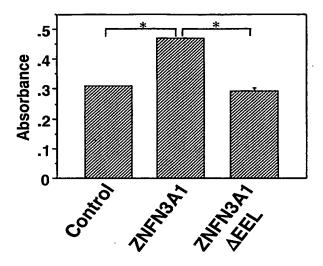




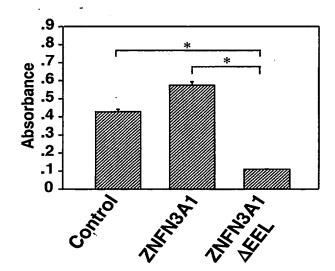
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Fig. 4

(a) HEK293 cells

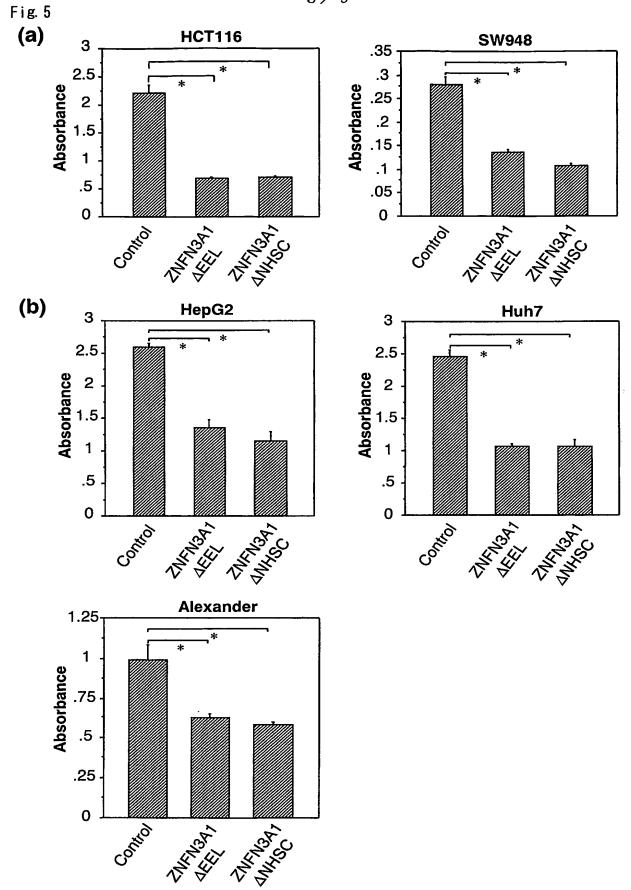


(b) HCT116 cells



WO 2005/071102 PCT/JP2005/001172

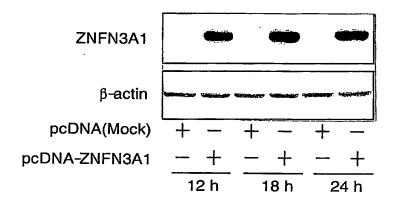


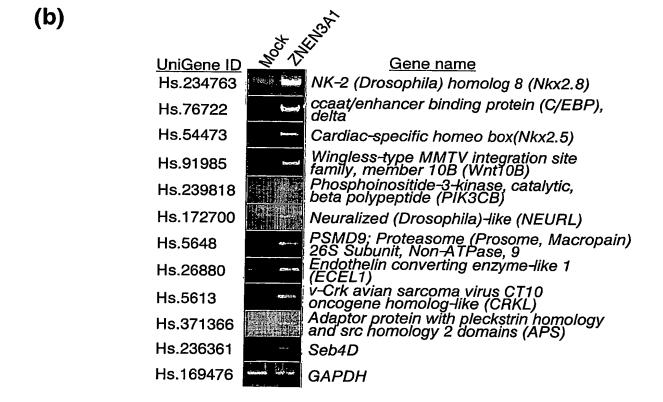


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Fig. 6

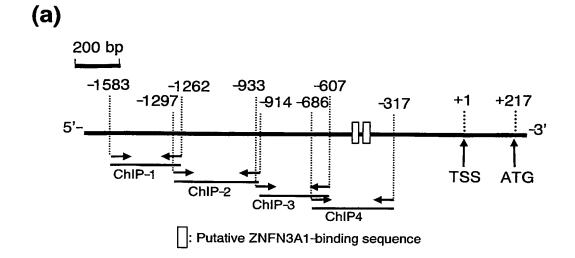
(a)

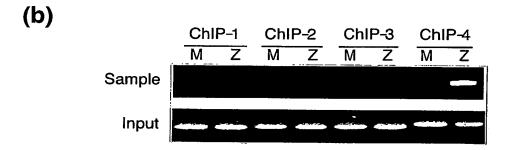


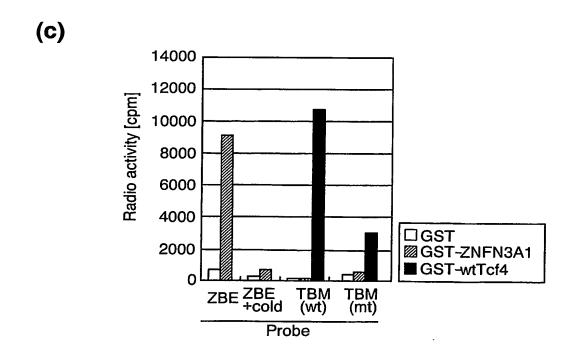


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Fig. 7

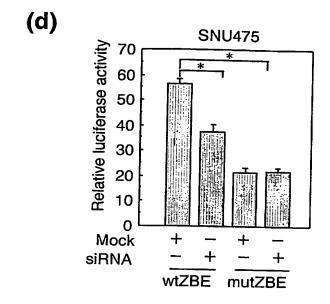


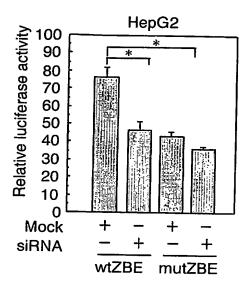




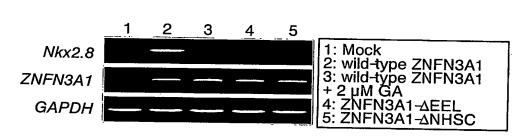




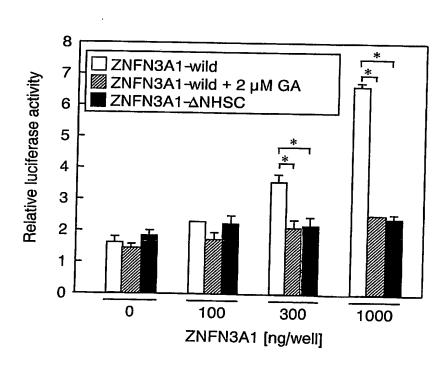




(e)



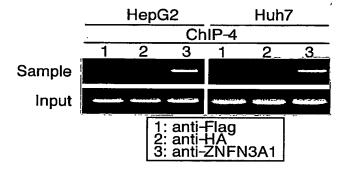
(f)



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Fig. 8

a



b

